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A.D. 1898

Date of Application, 3rd Dec., 1898—Accepted, 18th Mar., 1899

COMPLETE SPECIFICATION.

Improvements in Fixing Hooks, Brackets, and other Articles to Partition-walls, Ceilings, and the like.

I, LEONARD BARLOW, of 45, Balfour Road, Highbury, London, N., Electric Light and Power Engineer, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

5 The object of my invention is to provide a means of fixing to a partition-wall or ceiling, where an ordinary nail or screw will not readily hold.

A B is a piece of metal, pointed at end A increasing conically to K L (preferably with a screw-thread on it or with a fluted face), and diminishing again to C see Figure 6, the surface of this latter part being preferably fluted.

10 E is a metal disc with a hole through the centre.

F G is a metal tube preferably attached to E at its end G; see Figure 5, it is large enough to allow that part of A B, from C to B, to pass through it, but smaller than K L.—The hole in disc E is of corresponding size.—Tube F G is slightly shorter than the length from K L to B. It is slit down into segments from its end F, to within a short distance of end G. H J in Figure 3 represents the covering of a partition-wall, or ceiling, composed of thin wood, stone, tiles, slate, or the like; or of wood or metal lath or netting, covered with, plaster, stucco, cement or the like.

Figure 1 shews the elevation, and Figure 2 the plan of stem A B, (see Figure 6), with tube F G and disc E (see Figure 5), upon it, ready for use.

20 Now if A B be driven through H J until E come in contact with H, (F G being of such a length that F project well through H J), and a pull be exerted on end B of A B, then the conical part K L C will tend to enter tube F G at its end F, and in so doing will spread out the segments of tube F G as represented in accompanying sketches see elevation Figure 3, and plan Figure 4.

25 These segments thus form one flange of a rivet, and disc E constitutes the other flange, rivetting H J between them.

To exert the pull on end B of A B, I may also employ a nut, either of the hexagon or other ordinary type, or of a form combined with a hook, ring, bracket, knob, pendant, or the like. (See hook, D P shewn in Figure 7.) In this case the end of A B for some distance up from B has a screw-thread cut upon it.

30 Now when D P is screwed on to end B of A B it comes in contact with face of disc E, and if you continue to screw, holding E against face H, then the conical part K L C will spread the segments at F as previously described. The face of disc E nearest to end F is in this case preferably rough or fluted in order to grip into face H of H J.

35 My invention is specially suitable for erecting a hook, ring, bracket, knob, pendant, or electric-light casing, or any woodwork, to a partition-wall, or ceiling.

[Price 8d.]

Improvements in Fixing Hooks, Brackets, and other Articles to Partition-walls, &c.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. The principle of rivelling with this particular form of rivet to a ceiling or partition-wall to secure a fixing thereto.
2. The use of a tube divided into segments to form the rivet.
3. The relative arrangement of parts substantially as described.

Dated this Thirtieth day of November Eighteen hundred and ninety-eight.

LEONRD. BARLOW.

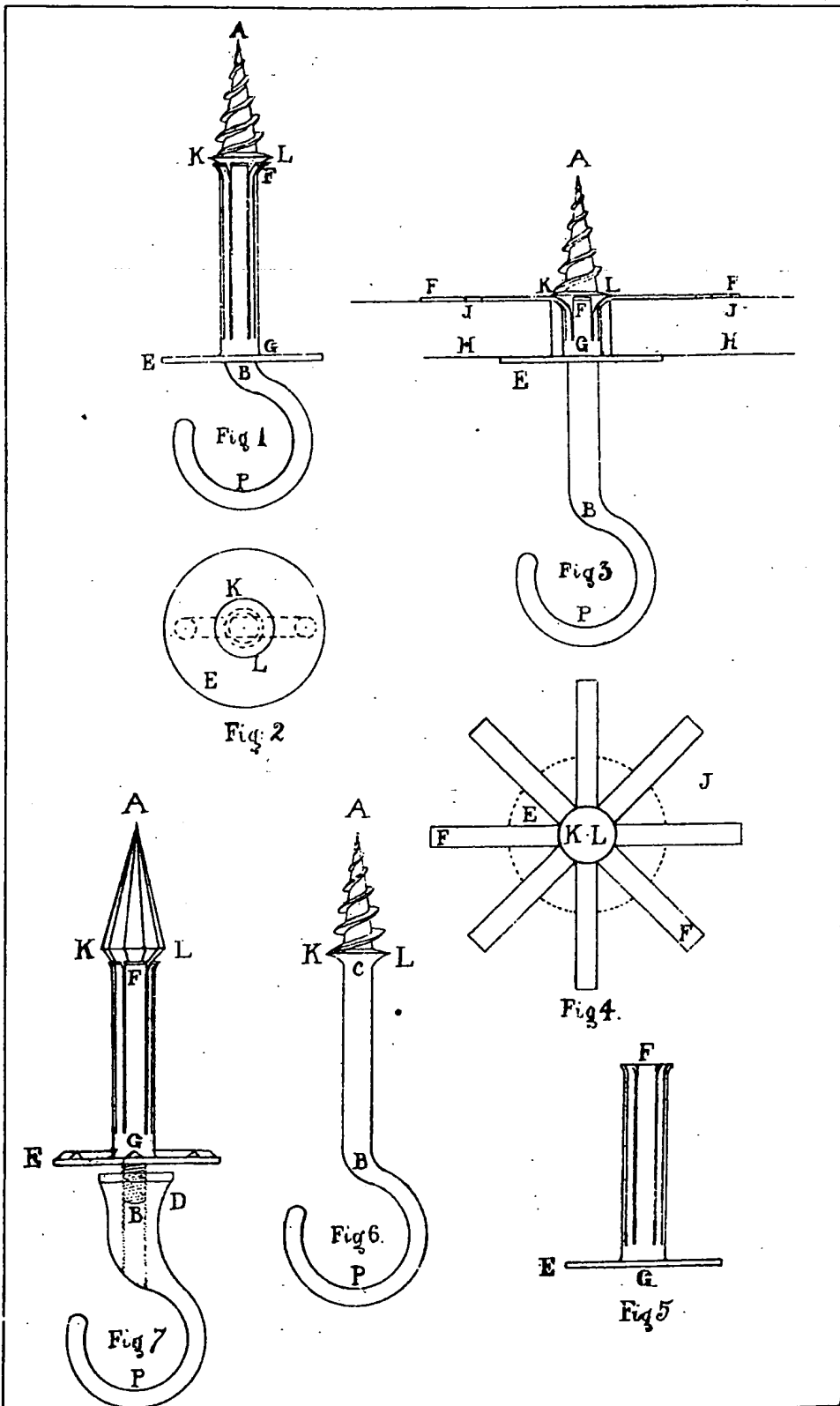
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BARLOW'S COMPLETE SPECIFICATION

(1 SHEET)



[This Drawing is a reproduction of the Original on a reduced scale.]